

### **Remarks**

Reconsideration of the application is respectfully requested in view of the foregoing amendments and following remarks. Claims 116-121, 123-127, 129-134, 136-141, 143-148, 150-154 and 168-183 are pending in the application. No claims have been allowed. Claims 116, 123, 129, 136, 143, 150 and 168-179 are independent. Claims 116, 123, 129, 136, 143, 150 and 168-183 have been amended.

### **Claim Rejections under 35 USC § 112**

Claim 116-121, 123-127, 129-134, 136-141, 143-148, 150-154 and 168-183 are rejected under the first paragraph of 35 U.S.C. § 112, as failing to comply with the written description requirement. Applicants respectfully disagree that the language, “wherein each of the plural available types of multi-channel transforms specifies a different transformation across plural channels values at a given index in the plural channels,” is not clearly described. However, to expedite prosecution, applicants have amended all independent claims (claims 116, 123, 129, 136, 143, 150 and 168-179) to recite, “wherein each of the plural available types of multi-channel transforms specifies a different transformation across plural channels *for co-located values in the plural channels*” (claims 116, 129, 136, 150, 168, 170, 171, 174, 176 and 177) or “wherein each of the plural available types of inverse multi-channel transforms specifies a different transformation across plural channels *for co-located values in the plural channels*” (claims 123, 143, 169, 172, 173, 175, 178 and 179).

For example, the Application, at page 24, lines 1-12, describes grouping co-located values of channels for performing multi-channel transforms according to example implementations as follows (emphasis added):

In some embodiments, the partitioner/tile configurer (620) partitions frames of multi-channel audio on a per-channel basis. The partitioner/tile configurer (620) independently partitions each channel in the frame, if quality/bitrate allows. This allows, for example, the partitioner/tile configurer (620) to isolate transients that appear in a particular channel with smaller windows, but use larger windows for frequency resolution or compression efficiency in other channels. This can improve compression efficiency by isolating transients on a per channel basis, but additional information specifying the partitions in individual channels is needed in many cases. *Windows of the same size that are co-located in time may qualify for further redundancy reduction through multi-channel transformation. Thus, the partitioner/tile configurer (620)*

*groups windows of the same size that are co-located in time as a tile.* For additional detail about tiling in some embodiments, see the section entitled “Tile Configuration.”

Regarding claims 180-183, the Application at page 39, lines 4-9, describes performing inverse multi-channel transforms on multiple channels at a particular frequency index according to example implementations as follows:

Figure 15 shows a technique (1500) for performing an inverse-multi-channel transform before inverse weighting in the decoder. The decoder performs (1510) one or more inverse multi-channel transforms on quantized audio data, for example, as described below. In particular, the decoder collects samples from multiple channels at a particular frequency index into a vector  $x_{mc}$  and performs the inverse multi-channel transform  $A_{mc}$  to generate the output  $y_{mc}$ .

As these sections of the Application make clear, multi-channel transforms (and corresponding inverse multi-channel transforms) are applied to co-located values in plural channels. The language satisfies the § 112 written description requirement, and Applicants request that the § 112 rejection be withdrawn.

### **Allowable Subject Matter**

The Action indicates that claims 116-121, 123-127, 129-134, 136-141, 143-148, 150-154 and 168-183 would be allowable if amended to overcome the § 112 rejection. As discussed above, Applicants have amended the claims and believe that the claims should be allowable.

### **Request for Interview**

If the claims are not found by the Examiner to be allowable, the Examiner is requested to call the undersigned attorney to set up an interview to discuss this application.

**Conclusion**

The claims should be allowable. Such action is respectfully requested.

Respectfully submitted,

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